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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/822,001	04/12/2004	Woo-chul Jung	101-1026	1579
38209	7590	08/31/2005	EXAMINER	
STANZIONE & KIM, LLP 919 18TH STREET, N.W. SUITE 440 WASHINGTON, DC 20006			BRASE, SANDRA L	
			ART UNIT	PAPER NUMBER
			2852	

DATE MAILED: 08/31/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

X

Office Action Summary	Application No. 10/822,001	Applicant(s) JUNG ET AL.	
	Examiner Sandra L. Brase	Art Unit 2852	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 11-16 and 24-26 is/are rejected.
- 7) ☒ Claim(s) 4-10 and 17-23 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 April 2004 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4/12/04&7/12/05</u> | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 331c; 342c; 342d; and 342e. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 331b; 346; and 347. Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to

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obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities.

On page 2, line 13, “ptproblems” should be changed to “problems”.

On page 2, line 25, “inventionmay” should be changed to “invention may”.

On page 5, line 46, “342when” should be changed to “342 when”.

On page 7, line 11, “300” should be changed to “200”.

Appropriate correction is required.

Claim Objections

4. Claims 2-11 and 15-23 are objected to because of the following informalities.

Appropriate correction is required.

In claim 2, lines 2 and 3, “first guide protrusions” is unclear since there is not second guide protrusions contained in the claim language of claim 2.

In claim 3, line 4, “first locking portion” is unclear since there is not a second locking portion contained in the claim language of claim 3.

In claim 3, lines 5-6, “first guide protrusion” is unclear since there is not a second guide protrusion contained in the claim language of claim 3.

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In claim 7, lines 4 and 8, “first guide protrusion” is unclear since there is not a second guide protrusion contained in the claim language of claim 7.

In claim 15, lines 1-2 and 3, “first guide protrusions” is unclear since there is not second guide protrusions contained in the claim language of claim 15.

In claim 16, line 4, “first locking portion” is unclear since there is not a second locking portion contained in the claim language of claim 16.

In claim 16, lines 5, “first guide protrusion” is unclear since there is not a second guide protrusion contained in the claim language of claim 16.

In claim 20, lines 4 and 7, “first guide protrusion” is unclear since there is not a second guide protrusion contained in the claim language of claim 20.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1, 2, 13-15 and 26 are rejected under 35 U.S.C. 102(b) as being anticipated by Sawada et al. (US 5,587,769).

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7. Sawada et al. (...769) disclose a printer comprising a photosensitive unit (10) on which an image to be printed is formed through exposure and development operations, a transfer unit (40) which transfers the image formed on the photosensitive unit onto paper, and a system to replace a photosensitive unit and a transfer unit in a printer, the system comprising: a printer body having an entrance to access a mounting location (figures 2 and 3); a frame provided in the printer body (figures 2 and 3); and a locking unit, which is provided in the frame and simultaneously locks and unlocks a photosensitive unit and a transfer unit that enter via the entrance of the printer body to be seated in the mounting location of the printer body (col. 6, lines 22-35; and figures 2 and 3). The system further comprising: guide protrusions formed on the photosensitive unit and the transfer unit; and a guide rail provided in the frame to guide each of the guide protrusions of the photosensitive unit and the transfer unit that enter via the entrance of the printer body to be disposed in the mounting location (col. 6, lines 17-35; and figures 2 and 3). The photosensitive unit and the transfer unit enter the printer body via the entrance formed in an upward direction of the printer body (figures 2 and 3).

8. Claims 1-3, 11-16 and 24-26 are rejected under 35 U.S.C. 102(e) as being anticipated by Park et al. (US 2004/0009008).

9. Park et al. (...008) disclose a printer comprising a photosensitive unit (100) on which an image to be printed is formed through exposure and development operations, a transfer unit (200) which transfers the image formed on the photosensitive unit onto paper, and a system to replace a photosensitive unit and a transfer unit in a printer, the system comprising: a printer body (300) having an entrance to access a mounting location (figure 6); a frame (320) provided

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in the printer body (figure 6); and a locking unit, which is provided in the frame and simultaneously locks and unlocks a photosensitive unit and a transfer unit that enter via the entrance of the printer body to be seated in the mounting location of the printer body ([0029]). The system further comprising: guide protrusions formed on the photosensitive unit and the transfer unit; and a guide rail provided in the frame to guide each of the guide protrusions of the photosensitive unit and the transfer unit that enter via the entrance of the printer body to be disposed in the mounting location ([0026]). The photosensitive unit comprises a damping member, the transfer unit is stacked on the photosensitive unit and is elastically supported by the damping member of the photosensitive unit ([0031]), and the locking unit comprises a rotating lever which is rotatably installed in the frame and which comprises a locking portion to lock the transfer unit so that the transfer unit does not deviate from a direction along which the guide protrusion of the transfer unit enters when the rotating lever is rotated in a locking direction ([0032]). The photosensitive unit comprises: a photosensitive drum (110); a case which covers part of the photosensitive drum (figure 6); a handle (150) rotatably coupled with the case; and a damping member which shock-absorbingly contacts the transfer unit ([0031]). The transfer unit (200) comprises: a transfer belt (220); a case (210) which covers the transfer belt; and a handle (232) rotatably installed in the case. The photosensitive unit and the transfer unit enter the printer body via the entrance formed in an upward direction of the printer body (figure 6).

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Allowable Subject Matter

10. Claims 4-10 and 17-23 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Prior Art

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sekino et al. (US 5,371,575), Sawada et al. (US 5,802,427), Yoshida et al. (US 5,845,176), Sameshima (US 5,983,062), Mizuno (US 6,088,555), Sameshima (US 6,115,568), Sameshima (US 6,522,845) and Ogawara et al. (JP 11-295998) disclose mounting a cartridge in a printer.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sandra L. Brase whose telephone number is 571-272-2131. The examiner can normally be reached on Monday-Thursday and alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur T. Grimley, can be reached on 571-272-2136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Sandra L. Brase
Primary Examiner
Art Unit 2852

August 29, 2005